

RAAV VECTOR-BASED COMPOSITIONS AND METHODS FOR THE PREVENTION AND TREATMENT OF MAMMALIAN DISEASES

ABSTRACT

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Disclosed are recombinant adeno-associated viral (rAAV) vector compositions that are expressed in selected mammalian cells, such as pancreatic islets cells, and that encode one or more mammalian serpin or cytokine polypeptides having therapeutic efficacy in the amelioration, treatment and/or prevention of interleukin deficiencies, such as for example diabetes, and related diseases of the pancreas. Also disclosed are methods and compositions for preventing diabetes in a mammal, reducing the rate of disease progression, and ameliorating the symptoms of diabetes in humans at risk for developing such conditions.